PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2001109233 A

(43) Date of publication of application: 20.04.01

(51) Int. CI

G03G 15/02 F16C 13/00

(21) Application number: 11284023

(22) Date of filing: 05.10.99

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(54) ELECTROSTATIC CHARGING MEMBER

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an electrostatic charging member which obviates the occurrence of an image defect by a partial electrostatic charging defect, etc., and eliminates the contamination to a photoreceptor drum while maintaining the advantages in environmental protection, such as the reduction of energy consumption in a production process and the curtailment of wastes by recycling at a low cost.

SOLUTION: A material forming a semiconductive elastic layer 2 of the electrostatic charging member (electrostatic charging roll 10) formed with the semiconductive elastic layer 2 on a conductive base 1 is formed of a thermoplastic elastomer dispersed with an ion conductive material and a porous filler. The ion conductive material preferably is at least one kind selected from alkaline metal peroxide like lithium peroxide, perchlorate like like perchlorate, quaternary ammonium tetrabutylammonium salt and phosphate salt. The thermoplastic elastomer preferably contains a

polyether chain and/or polyester chain. The porous filler is preferably a porous filler, such as calcium carbonate, clay, silica and zeolite, having a specific surface area of $\approxeq 20$ m2/g.

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